





## Contact

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## Skills

### Programming languages:

Java (most experience)

Python, JavaScript, C/C++, SQL, Ocaml

### Web development:

HTML, CSS, JavaScript

Bootstrap, Materialize

AngularJS

p5.js

### Tools:

Intellij IDEA, PyCharm, Git, JIRA

### Software Engineering:

Agile - SCRUM, TDD, Pair Programming

## Hackathons & Team challenges

HackTheMidlands 2.0, 3.0 and 4.0

BrumHack, UoBHack

MLH Local Hack Day 2019

Google Hash Code 2017, 2018

BAE Systems Capture the Flag '18, '19

## Interests

President of the Public Speaking Society

Web design & development, UI/UX

Mathematical puzzles

Ballroom dancing

Photography

# Alexandru Nastase



## Experience

### Java Lab Demonstrator, University of Birmingham Sep 2019 - Present

- Helping 1<sup>st</sup> year and MSc students with their challenging assignments
- Aiding students in their learning experience
- Supporting students to build new skills and reinforce their knowledge

### Developer Intern, Barclays

Jun - Aug 2019

- Used C++ to decommission a legacy project in order to create an in-house system allowing for efficient foreign exchange trading between vendors
- Extensively used VS2017 and reinforced my knowledge of Git which accelerated my developing efficiency, thus adding value to the project
- Proposed using AI and new data sources for more accurate calculation of millennials' credit score; team won the internal hackathon

### Technology Spring Week Intern, Barclays

Apr 2018

- Shadowed developers and understood the APIs and technologies used
- Successfully completed the final group challenge on gamification
- Attended Data Architecture and Voice Biometrics workshops

### Junior Data Analyst Intern, Kwalee

Feb - Mar 2018

- Created Python scripts to extract and visualise vital user data
- Created a downloads live map using p5.js which aided marketing
- Team debated important decisions regarding A/B testing and QA



## Education

### MSc Computer Science, University of Birmingham 2017 - Present

- 1<sup>st</sup> year: 89% - Java (93%), AI (87%), Software Engineering (81%)
- 2<sup>nd</sup> year: 83% - Java Project (89%), Security (87%), Databases (78%)
- 3<sup>rd</sup> year: Robotics, Machine Learning, Human Computer Interaction, Networks, Intelligent Data Analysis (on track for a 1<sup>st</sup>)

### "Matei Basarab" National College, Romania

2013 - 2017

(9.93/10 overall mark)

- Main subjects: Mathematics, Computer Science, Physics, Biology



## Technical Interests

### ServiceNow Bootcamp

Jun 2019

- Created complex applications in the ServiceNow ecosystem
- Explored the ecosystem in the Application Development course
- Developed a multilayered hotel booking app; team won the hackathon

### IBM technology challenge, The Birmingham Project

Jun 2018

Project's theme - "How can social media support local businesses"

- Team prototyped a social web app that supports both consumers and local businesses, allowing users to share experiences and gain rewards
- Discussed using new technologies in our project with IBM mentors